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SPECTRAL REFLECTANCE SIGNATURES  
OF COASTAL POLLUTANTS



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### SIGNIFICANT RESULTS

Remote sensing from satellites and aircraft has been combined with ground truth collected from ships in an attempt to classify coastal and estuarine water types by their spectral reflectance signatures. During ocean waste disposal operations 40 miles off the Delaware coast, water samples were collected and spectroradiometric measurements conducted in the field to provide ground truth for aircraft and LANDSAT overpasses with multispectral scanners. Ground truth data are being correlated with multispectral data obtained remotely to define spectral signature tolerances due to variations in concentration and environmental conditions.